	76-99,	314-332,	337-357,	383-400,	106-124,	141-157,	271-287,	242-258,	297-313																-			
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	Pro-58 to His-71,	Thr-168 to His-174,	Phe-177 to Lys-192,	Gln-226 to Ser-234.	•••																							
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1, L0769: 1, L0372: 1, L0764: 1, L0387: 1, L0784: 1, L0607: 1, L0659: 1, L0788: 1, L0666: 1, L0663: 1, S0148: 1, H0659: 1, H0651: 1, S0328: 1, H0539: 1, S0152: 1, H0478: 1, L0748: 1, L0740: 1, L0731: 1, L0759: 1, L0362: 1, H0422: 1 and S0424: 1.	AR033: 2, AR060: 2, AR089: 1, AR061: 1, AR096: 1, AR039: 0, AR104: 0, AR052: 0, AR104: 0, AR053: 0 L0439: 5, H0592: 2, H0039: 2, H0494: 2, L0662: 2, L0659: 2, H0521: 2, L0748: 2, S0218: 1, H0657: 1, S0418: 1, S0376: 1, R0360: 1, H0596: 1, H0050: 1, H0014: 1, H0622: 1, H0038: 1, L0564: 1, H0861: 1, S0422: 1, L0770: 1, L0800: 1, L0776: 1, L0818: 1, L0352: 1, H0520: 1, L0779: 1, L0759: 1,
	1959 Asn-5 to Glu-15.
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	73-98, 8-	20, 100- 116																								
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L0592: 1, L0593: 1, H0543: 1 and H0506: 1.		AR033: 4. AR060: 3.	AR104: 2, AR039: 0	S0410: 11, L0803: 4,	L0659: 4, H0618: 3, H0135:	3, L0637: 3, L0809: 3,	L0666: 3, H0696: 3, L0779:	3, S0376: 2, S0132: 2,	H0592: 2, H0253: 2, H0050:	2, H0087: 2, H0560: 2,	L0761: 2, S0374: 2, L0743:	2, L0751: 2, L0749: 2,	L0731: 2, L0759: 2, H0542:	2, H0543: 2, H0171: 1,	H0225: 1, H0341: 1, S0212:	1, H0483: 1, S0444: 1,	S0408: 1, H0393: 1, L0717:	1, H0370: 1, H0249: 1,	H0486: 1, H0101: 1, H0250:	1, H0706: 1, T0048: 1,	H0581: 1, H0545: 1, H0009:	1, H0024: 1, H0271: 1,	H0288: 1, H0617: 1, S0364:	1, H0163: 1, H0551: 1,	H0488: 1, H0100: 1, H0494:	1, L4497: 1, L0770: 1,
-	Arg-44 to Gln-55.																									
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	28-61, 91- 109, 9-25, 71-87	266-295, 243-266, 302-318, 82-98
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	1961 Leu-115 to Pro-129.	1962 Met-1 to Glu-8, Glu-37 to Asp-58, Gln-75 to Leu-81.
		1962
	91 - 477	54- 1151
	556	557
	858281	858353
	546 HHENU62	HE2RG38
	546	547

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	Met-1 to Ser-6, Leu-10 to Ser-17, Met-20 to Ser-25.
	1963
	3001
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·	858355
	HCEVS49
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	59-77, 87- 103, 142-
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:	Leu-21 to Tyr-28.
	1964
	229 - 834
	559
	858433
	HKGBP90
	549

158, 186- 202	59-75, 232-248, 177-193	106-123, 23-39
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AR051: 1, AR050: 0, AR052: 0, AR055: 0, AR104: 0 H0266: 2, L0748: 2, L0777: 2, H0486: 1, H0373: 1, H0494: 1, S0014: 1, H0538: 1, L0803: 1, S0044: 1, L0740: 1, L0779: 1, L0759: 1, H0445: 1 and H0665: 1.	AR096: 20, AR089: 16, AR052: 13, AR053: 10, AR039: 9, AR104: 9, AR060: 8, AR055: 8, AR033: 6, AR061: 4 S0476: 2, H0713: 1, H0580: 1, S0045: 1, S0132: 1, H0599: 1, L0143: 1, H0551: 1, H0488: 1, S0126: 1, L0777: 1, L0731: 1, L0485: 1 and S0242: 1.	AR096: 17, AR039: 14, AR089: 12, AR060: 11, AR055: 11, AR053: 10, AR033: 10, AR104: 9, AR052: 9, AR061: 5 H0556: 1, S0420: 1, S0358: 1, H0619: 1, H0373: 1, H0702: 1, S0027: 1,
	His-87 to Glu-93, Pro-217 to Leu-222, Glu-224 to Lys-230, Val-264 to Trp-275, Phe-311 to Asn-316, Asp-344 to Gly-349, Gly-363 to Gln-379, Gly-363 to Gly-404, Gly-377 to Ser-446.	1966 Ile-49 to Gln-55, Phe-57 to Ala-63.
	1965	1966
	105 - 1442	989 - 69
	200	561
	858436	858449
	ноелжее	HHFMX34
	550	551

	107-129, 62-78, 81- 97	47-63
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	Glu-46 to Arg-53.	Pro-8 to Leu-14.
	1967	1968
	412 - 966	213 - 749
	262	563
	858450	858451
	HOUED48	HHBB126
	552	553

·	79-98, 39- 56, 15-31	10-43, 111-132, 78-96, 39- 55
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AR089: 1, AR055: 1, AR061: 1, AR052: 0 H0583: 1, H0650: 1, H0250: 1, H0599: 1, H0373: 1, H0266: 1, S0038: 1, S0044: 1, S0028: 1 and H0653: 1.	AR052: 2, AR053: 2, AR055: 2, AR096: 2, AR061: 1, AR089: 1, AR060: 1, AR033: 1, AR039: 1, AR104: 1 H0635: 2, S0418: 1, H0388: 1, H0436: 1 and S0031: 1.	AR096: 28, AR053: 10, AR039: 5, AR089: 5, AR052: 5, AR061: 3, AR055: 3, AR060: 2, AR033: 2, AR104: 2 S0007: 5, L0742: 5, L0731: 5, S0444: 4, L0769: 4, L0766: 4, L0749: 4, L0747: 4, L0749: 4, L0756: 4, L0596: 4, H0031: 3, L0065: 3, L0775: 3, L0809: 3, S0126: 3, L0759: 3, S0354: 2, H0438: 2, H0083: 2, L0371: 2, L0770: 2,
	1969 Thr-33 to Pro-39.	·
	1969	1970
	216 -	638
	564	565
	858492	858536
	HHA UZ72 858492	HWMAM4 858536 1
	554	555

	77-93	49-66
15 22 <b>16</b> 23 24 22 22 22 22		
L0772: 2, L0803: 2, L0776: 2, L0783: 2, H0555: 2, L0783: 2, L0755: 2, L0758: 2, L0758: 2, L0591: 2, S0011: 2, H0556: 1, H0636: 1, H0636: 1, H0632: 1, H0031: 1, H0632: 1, H0013: 1, H0031: 1, H0040: 1, L0047: 1, L0704: 1, L0606: 1, L0606: 1, L0606: 1, L0606: 1, H0050:	AR055: 15, AR060: 13, AR033: 12, AR089: 9, AR104: 8, AR052: 8, AR061: 7, AR096: 7, AR039: 7, AR053: 6	AR052: 6, AR096: 4, AR053: 4, AR060: 3,
	Ser-9 to Arg-15.	
	1971	1972
	359 - 694	278 - 1690
	995	292
	858578	858584
	HCEOV70	557 HKGDL95
	556	557

	3-29, 33- 60, 76-98, 104-121
AR089: 3, AR033: 2, AR104: 2, AR061: 1, AR055: 1, AR039: 0 S0010: 3, L0731: 3, H0542: 2, S0134: 1, L0002: 1, S0418: 1, H0369: 1, H0486: 1, H0013: 1, S0280: 1, H0581: 1, S0049: 1, H0057: 1, S0022: 1, H0538: 1, H0529: 1, L0761: 1, L0667: 1, L0803: 1, L0653: 1, L0647: 1, L0355: 1, S0434: 1 and H0422: 1.	AR055: 8, AR053: 6, AR104: 6, AR060: 6, AR033: 6, AR096: 5, AR052: 5, AR089: 4, AR051: 4, AR039: 3 L0748: 11, L0752: 5, S0003: 4, H0638: 3, L0747: 3, L0755: 3, L0759: 3, H0171: 2, T0114: 2, H0674: 2, S0422: 2, L0764: 2, L0766: 2, L0775: 2, L0740: 2, L0758: 2, L0749: 2, L0758: 2, H0170: 1, T0002: 1, H0295: 1, H0341: 1, S0212: 1, S0442: 1, S0444: 1, H0574: 1, H0156: 1,
	Asp-28 to Trp-33, Gly-59 to Ser-71.
	1973
	378 - 776
	268
	\$58602
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	55-86, 90- 115, 123- 147, 10- 30, 45-61
H0530: 1, H0428: 1, H0529: 1, H0520: 1, H0521: 1, H0445: H0445:	17, 9, 6, 4, 11, 11, 11, 11, 11, 11, 12, 10, 14, 14, 10, 14, 13,
H0575: 1, H0596: 1, H0530: 1, L0157: 1, H0123: 1, H0620: 1, S0388: 1, H0428: 1, H0620: 1, S0450: 1, H0529: 1, L0763: 1, L0770: 1, L0803: 1, L0804: 1, L0776: 1, L0655: 1, L0809: 1, S0052: 1, S0122: 1, H0547: 1, S0122: 1, H0570: 1, H0548: 1, L0777: 1, S3014: 1, L0777: 1, L0780: 1, L0731: 1, H0445: 1, L0780: 1, L0731: 1, H0445: 1, L0589: 1 and S0194: 1.	AR104: 18, AR052: 17, AR033: 16, AR053: 9, AR096: 8, AR089: 6, AR060: 5, AR039: 4, AR061: 4, AR055: 3 S0414: 17, L0758: 14, L0752: 13, L0740: 12, S0222: 11, L0439: 11, H0441: 8, H0052: 8, L0770: 8, L0777: 8, L0741: 7, S0010: 6, H0327: 6, S0036: 6, L0779: 6, H0620: 5, H0051: 5, L0803: 5, S0051: 4, H0644: 4, L0805: 4, L0809: 4, L0742: 4, L0744: 4, H0599: 3, H0059: 3,
H0575: 1 1, L0157 H0620: 1 1, H0031 S0014: 1 1, L0763 L0803: 1 1, L0655 S0052: 1 1, H0547 H0670: 1 1, S3014 L0780: 1	AR104: AR033: AR096: AR060: AR061: S0414: L0752: 1 S0222: 1 H0441: 8 L0777 S0010: 6 6, L0779 H0051: 5 4, H0644
	1974 Asn-30 to Cys-37.
	1974
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10768	3, H01	10751	3, SQ4	H0438	<b>2</b> , S03	H0615	2, 1.07	10789	4 7,1	10753	2, S00	1,0608	1, S60	1,0005	1, H05	H0013	h, H00	H0688	1, S03	8003)	1, S02	1,0763	1, L0662: 1	10651	1,106	10664	1, H05	H0670	1.106
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			Asn-159 to Thr-173.
	1975	1976	1977
:	817 - 1185	32 - 946	85 - 603
	570	571	572
	858727		858877
	HMIBL51	HFXJP30	HCHMP94
	260	561	562

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L0753: 2, S0342: 1, H0484: 1, S0358: 1, L0009: 1, H0411: 1, S0222: 1, S6014: 1, H0546: 1, H0123: 1, H0494: 1, S0344: 1, H0494: 1, S0344: 1, H0529: 1, L0769: 1, L0627: 1, L0774: 1, L0378: 1, L0776: 1, L0655: 1, L0663: 1, S0148: 1, S0380: 1, H0478: 1, L0743: 1, L0439: 1, L0750: 1 and S0196: 1.	AR096: 2, AR089: 1, AR104: 1, AR030: 1, AR051: 1, AR033: 1, AR052: 0, AR039: 0, AR052: 0, AR053: 0 S0126: 21, S0212: 14, S0250: 8, S0022: 8, S0028: 7, H0266: 6, S0040: 5, L0565: 4, S0420: 3, S0390: 3, L0740: 3, S0418: 2, H0550: 2, H0615: 2, H0622: 2, H0623: 2, S0208: 2, L0751: 2, L0777: 2, S0134: 1, S0180: 1, S0298: 1, S0360: 1, H0619: 1, H0486: 1, H0575: 1, H0544: 1, H0545: 1, H0050: 1, H0024:
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	Asn-7 to Arg-15, His-143 to Phe-148.
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L0381: 1, L0375: 1, L0653: 1, L0659: 1, L0792: 1, L0809: 1, L0793: 1, H0691: 1, H0448: 1, S0152: 1, S0390: 1, S0027: 1, S0027: 1, S0027: 1, L0777: 1, L0731: 1, S0260: 1, L0596: 1, S0192: 1 and S0424: 1.	Pro-54 to Tyr-61, AR055: 183, AR096: 110, Asp-132 to Leu-139, AR033: 22, AR061: 22, Ser-176 to Asp-183. AR089: 21, AR060: 20, AR104: 18, AR039: 4, AR052: 4, AR053: 3 H0341: 2, S0045: 2, H0551: 2, H0551: 2, H0556: 1, S0376: 1, H0619: 1, H0437: 1, H0609: 1, H0619: 1, H0635: 1, H0644: 1, H0590: 1, H0615: 1, H0644: 1, H0383: 1, H0648: 1, H0383: 1, H0618: 1, H0561: 1, H0116: 1, H0264: 1, H0561: 1, L0768: 1, L0794: 1, H0444: 1, H0436: 1, S0028: 1, L0744: 1, H0436: 1, S0028: 1, L0744: 1, H0445: 1, H0445: 1 and S0424: 1.
	Pro-54 to Tyr-61, Asp-132 to Leu-139, Asp-176 to Asp-183. Asp-184. Asp-176 to Asp-183. Asp-176 to Asp-184. Asp-185 to Asp-186. Asp-186 to Asp-186. Asp-186 to Asp-186. Asp-186 to Asp-186 to Asp-186. Asp-186 to Asp-18
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AR039: 1, AR055: 1, AR089: 1, AR056: 0, AR061: 0, AR060: 0, AR053: 0, AR052: 0, AR104: 0, AR033: 0 S0192: 19, H0551: 9, S0002: 9, H0521: 9, L0740: 9, L0731: 8, S0152: 6, H0090: 5, H0547: 5, L0777: 5, S0360: 4, S0214: 4, S0144: 4, L0776: 4, L0747: 4, L0759: 4, L0596: 4, S0212: 3, S0278: 3, L0770: 3, L0766: 3, H0144: 3, S0126: 3, S0342: 2, S0418: 2, S0420: 2, S0046: 2, S0222: 2, H0497: 2, H0575: 2, H0643: 2, H0603: 2, H0566: 2, H0264: 2, H0623: 2, S0344: 2, L0598: 2, L0769: 2, L0662: 2, L0699: 2, L0662: 2, L0665: 2, S0230: 2, S0028: 2, S0206:	2, L0439: 2, L0754: 2, L0750: 2, L0756: 2, L0752: 2, L0599: 2, S0276: 2, H0556: 1, S0040: 1, S0001: 1, S0282: 1, S0358: 1,
AR039: 1 AR061: 0 AR061: 0 AR061: 0 AR104: 0 S0192: 19 S0002: 9, I. J.	2, L0439: 2, L0754: L0750: 2, L0756: 2, 2, L0599: 2, S0276: H0556: 1, S0040: 1, 1, S0282: 1, S0358:
Arg-3 to Phe-10, Val-18 to Cys-23, His-64 to Tyr-73, Ser-181 to Gly-186, Glu-211 to Pro-221, Gly-284 to Ser-289, Thr-296 to Tyr-301, Phe-308 to Gly-318, Pro-321 to Asp-326.	
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S0026: 1, H0136: 1, H0216:	1, H0542: 1, H0423: 1 and S0412: 1.	AR055: 5, AR061: 5,	AR096: 3, AR060: 3,	AR033: 3, AR052: 3,	AR053: 3, AR039: 2,	AR089: 2, AR104: 1	L0777: 7, L0769: 6,	.0771: 5, L0794: 5, L0805:	I, H0734: 3, H0031: 3,	.0803: 3, L.0740: 3, H0265:	3, S0360: 2, H0635: 2,	H0318: 2, H0457: 2, S0364:	", H0090: 2, L0662: 2,	H0144: 2, L0748: 2, L0439:	, L0755: 2, H0556: 1,	H0713: 1, S6024: 1, H0341:	1, S0418: 1, S0356: 1,	S0354: 1, S0376: 1, S0408:	, S0410: 1, S0278: 1,	H0370: 1, H0250: 1, L0021:	1, H0599: 1, H0575: 1,	036: 1, H0052: 1, H0567:	, L0471: 1, H0024: 1,	H0083: 1, H0687: 1, S0003:	, H0615: 1, H0030: 1,	,0055: 1, H0591: 1, S0294:	i, H0647: 1, L0598: 1,	.0667: 1, L.0772: 1, L.0646:
08	1,1	Arg-9 to Lys-26,		Arg-200 to Trp-219. AR		AR	<u> </u>	מ	4	3	ģ	OH OH	2,	<u>e</u>		OH OH	1,5	OS	1, 8	OH	1,1	OH		OH.	1,1	2	1,1	TO TO
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		Val-2 to Arg-12, His-21 to Ile-43.
	1983	1984
	341 - 3	351 - 689
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	268	569

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352-378, 232-252, 307-324, 271-287	1-28, 184- 201, 157- 173
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AR039: 0, AR052: 0, AR053: 0 H0251: 1 and S0250: 1. AR096: 2, AR089: 2, AR033: 1, AR104: 1, AR060: 1, AR053: 1, AR061: 0, AR039: 0 L0745: 8, S0422: 5, H0615: 3, L0759: 3, H0543: 3, L0783: 2, L0666: 2, S0126: 2, L0604: 2, S0242: 2, H0170: 1, H0661: 1, S0418: 1, S0360: 1, H0619: 1, H0550: 1, H0123: 1, H0566: 1, S0312: 1, S0440: 1, H0551: 1, H0494: 1, S0440: 1, H0529: 1, L0771: 1, L0773: 1, L0803: 1, L0657: 1, H0690: 1, H0659: 1, L0754: 1, L0731: 1, L0757: 1, H0216: 1, S0276: 1 and	AR089: 75, AR052: 35, AR060: 31, AR033: 29, AR053: 28, AR104: 20, AR061: 19, AR096: 16, AR055: 16, AR039: 14
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Met-1 to Gly-6, Arg-8 to Ala-19, Ser-32 to Ala-46, Ala-78 to Arg-88, Thr-95 to Ser-104, Lys-126 to Glu-138.	1986 Gln-40 to Glu-45, Glu-96 to Glu-102, Asn-256 to Thr-266, Lys-311 to Ser-322.
1985	1986
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280	581
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1, 200564: 1, 300294: 300294: 1, 20371: 2, 20376: 2, 203776	2, 1, 0, 0
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·	Tyr-10 to Asp-15, Asp-64 to Gly-72, Gln-74 to Lys-85, Gly-110 to Arg-122.
	1987
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	48-65, 121-137, 73-89	51-73
		103050, 103050, 124030, 124030, 138981, 182380, 188826, 190040, 190040,
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S0260: 1.	AR052: 4, AR055: 3, AR053: 3, AR060: 2, AR033: 2, AR089: 2, AR061: 2, AR096: 1, AR104: 1, AR039: 0 S0126: 3, H0658: 3, H0556: 2, H0576: 2, L0600: 2, H0265: 1, S0360: 1, H0592: 1, H0051: 1, H0031: 1, H0135: 1, H0652: 1, L0641: 1, L0803: 1, L0375: 1, L0666: 1, H0547: 1, S0031: 1 and S0026: 1.	AR033: 13, AR052: 6, AR104: 5, AR060: 4, AR055: 4, AR061: 4, AR056: 2, AR039: 1 L0748: 7, L0747: 6, L0805: 5, L0803: 4, L0776: 4, L0439: 4, L0757: 4, H0549: 3, L0794: 3, L0809: 3, L0750: 3, L0777: 3, H0624: 2, H0635: 2, H0012: 2, L0775: 2, L0744: 2, L0731: 2, S0276: 2, H0556: 1, S0114: 1, H0650: 1,
	Thr-116 to Gly-122, Lys-142 to Pro-150, Pro-164 to Ala-172, Glu-184 to Asn-189.	Glu-9 to Gly-14, Gln-75 to Val-81, Ser-94 to Gly-116.
	1988	1989
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	HTXPN78	HFPGR87
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1, \$0222: 1, H0441: 1, H0392: 1, H0333: 1, \$0474: 1, H0052: 1, H0194: 1, H0231: 1, H0546: 1, H0150: 1, H0546: 1, H0150: 1, H0620: 1, H0328: 1, H0615: 1, H0674: 1, H0163: 1, L0497: 1, L0804: 1, L0661: 1, L0543: 1, L0791: 1, L5286: 1, H0144: 1, \$0126: 1, H0696: 1, L0743: 1, L0749: 1, L0780: 1, L0752: 1, L0758: 1, \$0031: 1, L0591: 1 and L0608: 1.	1990 Pro-12 to Lys-33, AR052: 8, AR055: 8, Asn-41 to His-46, AR053: 6, AR096: 6, Pro-48 to Ser-58, AR089: 5, AR060: 4, Gly-71 to Asp-78, AR033: 4, AR039: 4, Ala-94 to Gly-102, AR061: 3, AR104: 3 Ser-133 to Ser-140, L0758: 4, S0358: 3, Arg-197 to Lys-202. L0766: 3, H0038: 2, L0748: 2, L0754: 2, L0756: 2, L0759: 1, H0222: 1, H0159: 1, H0222: 1, H0159: 1, H0052: 1, T0010: 1, L0157: 1, H0050: 1, H0013: 1, H0050: 1, H0056: 1, S0250: 1, S0364: 1, H0616:
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	Leu-55 to Phe-61, Arg-105 to Cys-111, Leu-152 to Glu-158, Glu-174 to Leu-187, Tyr-213 to Pro-223, Ala-246 to Asp-256, Leu-274 to Cys-283, Glu-297 to Tyr-302, Arg-333 to Val-343, Thr-375 to Pro-382, Asp-403 to Ser-415, Thr-490 to Lys-496, Pro-531 to Asp-541, Arg-545 to Gly-551, Asp-683 to Thr-713.
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5, AR096:	3, AR052:	<b>AR05</b>	1, AR061:	1, AR039:	L0439: 6, L0659: 4,	752:	, L0731: 3, H0052: 2,	051:	280	423:	, H0624: 1, H0170: 1	442	, S0222: 1, H0331: 1,	021:	, H0004: 1, H0581: 1	014:	, T0010: 1, H0083: 1,	S6028: 1, S0318: 1, S0003:	1, H0688: 1, H0031:	628:	, H0591: 1, H0038:	268:	1, S0210: 1, S0422: 1	768:	1, L0766: 1, L0774:	518:	1, L0664: 1, H0547: 1,	539.	H0478: 1, H0479: 1
5,4	3,4	3,4	1,4		6, L	3,	.3,	2, SQ	2,7	, HO	<b>‡</b> 1,	1, 50	: I'l	3	#: <del>1,</del>	1, H0	1,1	, SO:	3: 1,	l, H0	i: 1,	l, H0	. 1, 8	3,	: 1,1	ä	: 1,1	J. HO	
AR033:	AR060:	AR089:	AR104:	AR055:	439.	40.4	0731	71:2	8	8	7901	63:	0222	80:1	900	57:	0010	28:1	38901	53: ]	[059]	<del>6</del> .	0210	98: 1	99/0	75: 1	26	59: 1	8
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	4444	Cys-179 to Ser-189, A Ala-216 to Tyr-223. A A Ala-216 to
	1993	1994
	13 - 318	198 - 875
	588	685
	859636	829688
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	578	9779

	33-70, 78- 99, 7-24, 57-73, 117-133	153-169
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1, L0592: 1, L0593: 1, L0595: 1 and H0506: 1.	AR055: 11, AR053: 10, AR052: 8, AR096: 7, AR060: 7, AR089: 6, AR033: 6, AR061: 5, AR039: 5, AR104: 3 H0521: 7, L0748: 4, H0656: 3, H0586: 2, H0264: 2, L0740: 2, S0436: 2, H0542: 1, S0436: 2, H0224: 1, S0134: 1, H0583: 1, R0212: 1, S0356: 1, S0045: 1, H0050: 1, H0284: 1, H0421: 1, H0050: 1, H0551: 1, H0494: 1, S0144: 1, S0344: 1, L0807: 1, L0790: 1, H0547: 1, H0435: 1, H0539: 1, S0152: 1, S0028: 1, S0032: 1, L0750: 1, L0777: 1, L0759: 1, H0445: 1 and H0422: 1,	AR096: 5, AR089: 4, AR033: 4, AR060: 3, 6. AR052: 1, AR061: 1, AR104: 0, AR053: 0
		Met-1 to Lys-17, Asn-66 to Asn-95, Thr-100 to Tyr-106.
	1995	1996
	824 - 824 -	103 - 630
	280	591
		859756
	HMCFL79	HNTCT36
	280	581

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	74-97, 3- 19	55-81, 36- 52, 84-100
		188826, 250100, 250800, 250800
	-	22q13.2- q13.31
H0519: 2, H0156: 1, L0666: 1, L0665: 1, H0520: 1, L0758: 1 and L0759: 1.	AR052: 8, AR089: 7, AR060: 7, AR053: 7, AR061: 6, AR096: 5, AR104: 3, AR039: 1 L0766: 3, L0731: 3, S0051: 2, L0769: 2, L0662: 2, L0768: 2, L0747: 2, H0140: 1, H0656: 1, S0418: 1, S0444: 1, H0013: 1, L0021: 1, H0046: 1, H0439: 1, H0551: 1, S0438: 1, S0144: 1, L0763: 1, L0372: 1, L0794: 1, L0805: 1, L0783: 1, L0763: 1, L0547: 1, L0788: 1, L0792: 1, L0663: 1, L0664: 1, H0691: 1, H0553: 1, L0750: 1 and L0758: 1.	AR039: 1, AR096: 1, AR033: 1, AR061: 1, AR060: 0, AR089: 0, AR052: 0, AR055: 0, AR104: 0 L0769: 5, S0045: 2,
	Pro-30 to Arg-35, Glu-41 to Glu-51, Ser-54 to Trp-62, Gly-69 to Trp-77.	1998 Pro-10 to Arg-15.
	1997	1998
	45 - 485	389 - 745
	265	593
	859769	859792
	нтРDМ61	нтғон87
	582	583

	99-116
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L0773: 2, L0775: 2, L0783: 2, L0809: 2, H0657: 1, H0341: 1, H0254: 1, H0255: 1, S0360: 1, H0256: 1, H0208: 1, H0650: 1, H0673: 1, H0412: 1, H0413: 1, L0640: 1, L0763: 1, L0768: 1, L0768: 1, L0661: 1, L0665: 1, H0691: 1, H0690: 1, S0378: 1, H0651: 1, L0759: 1, S0378: 1, H0651: 1, L0759: 1, S0378: 1, L0759: 1, S0378: 1, L0759: 1, S0378: 1, L0759: 1, S0378: 1, L0759: 1, S0342: 1 and S0424: 1.	AR096: 3, AR052: 3, AR053: 2, AR089: 2, AR033: 1, AR061: 1, AR060: 1, AR055: 1, AR104: 1, AR039: 0 L0745: 7, H0486: 4, L0764: 3, L0774: 3, L0779: 3, H0543: 3, H0130: 2, L0768: 2, L0766: 2, L0803: 2, L0542: 2, H0666: 2, H0672: 2, L0746: 2, L0755: 2, L0758: 2, L0596: 2, T0049: 1, H0657: 1, H0662: 1, S0358: 1, S0360: 1, H0580: 1, S0046: 1, S0222:
	1999 Leu-10 to Ser-20, Ala-49 to Gly-55, Ala-69 to Ala-74.
	1999
	284 - 760
	465
	859796
	584 HWBDQ32
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	86-102, 54-70
10266: 10644: 10268: 0375: 0375: 0754:	8, 6, 5, 0677: 0049:
L0021: 1, H0251: 1, H0266: 1, S0003: 1, S0214: 1, H0428: 1, H0535: 1, H0644: 1, H0674: 1, H0598: 1, H0038: 1, H0616: 1, H0268: 1, H0509: 1, S0002: 1, L0371: 1, L0770: 1, L0637: 1, L0372: 1, L0662: 1, L0550: 1, L0775: 1, L0375: 1, L0523: 1, L0526: 1, L0809: 1, L0663: 1, S0126: 1, H0435: 1, H0670: 1, H0539: 1, S0380: 1, H0522: 1, S0044: 1, H0345: 1, L0439: 1, L0760: 1, L0754: 1, L0750: 1, L0759: 1,	and LUGGUS: 16, AR052: 6, AR033: 6, AR089: 5, AR061: 8, L0731: 8, 1, L0752: 6, H; 1, L0759: 5, Ti 4, L0759: 4, H; 1, L0759: 4,
1, 100 1, 100 1, 100 1, 103 1, 103 1, 108 1, 108 1, 104 1, 107 1, 107	
	Arg-7 to Ala-14, Phe-113 to Arg-118, Pro-124 to His-129, Glu-145 to Ala-153.
	2000
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	585

	383-406, 124-149, 8-35, 281- 302, 349- 368, 151- 171, 85- 104, 44- 62, 227- 245, 324- 340, 29- 45, 189- 205	65-84, 302-318, 571-587, 130-146, 366-382, 492-508
	383 124 124 302 368 171 104 62, 62, 62, 62, 62, 62,	30.57 130.57 36.64
		300037, 300076, 300123, 301201, 301845, 301845, 304340, 307700, 308000, 308000,
		Xq25-q26
1, H0478: 1, H0479: 1, L0753: 1, S0434: 1, S0394: 1, L0592: 1, L0608: 1, H0668: 1, S0026: 1 and H0422: 1.	AR055: 3, AR053: 2, AR060: 2, AR033: 2, AR061: 1, AR052: 1, AR096: 1, AR089: 1, AR104: 0, AR039: 0 S0278: 2, S0218: 1, S0045: 1 and S0216: 1.	AR066: 20, AR039: 19, AR055: 13, AR033: 13, AR053: 10, AR052: 9, AR089: 8, AR096: 7, AR104: 7, AR061: 4 H0521: 2
1,1 1,0 1,1 H0	AR AR AR AR AR 1 a	Ser-27 to Pro-35, AR Thr-87 to Ile-99, AR Pro-106 to Lys-112, AR Glu-119 to Ser-130, AR Ser-182 to Val-187, AR Lys-194 to Tyr-204, H0 Lys-295 to Val-300, Lys-384 to Glu-390, Thr-512 to Thr-526, Ser-530 to Glu-537, Gln-556 to Lys-562, Lys-593 to Leu-601.
	2001	2002
	10 - 1251	95 - 1933
	596	597
	859848	859875
	HNHMC08	HDPFH27
	986	287

	269-286, 163-179, 103-119			
308240, 309555, 310490, 312000, 313350, 313850	109270, 109270, 109270, 109270, 115660, 120150, 120150, 139250, 148080, 148500, 150200, 170500, 170500,	171190, 176960,	182452,	221820,
	17922-924			
	AR061: 14, AR052: 5, AR055: 3, AR033: 2, AR089: 2, AR060: 1, AR053: 1, AR096: 0, AR039: 0, AR104: 0 H0144: 1 and L0755: 1.			
	Ser-49 to Ser-66, A Asp-152 to Lys-160, A Gly-186 to Asn-192, A Arg-200 to Ser-205, A Pro-223 to His-229, A Gly-240 to Thr-250.			
	97 - 978 2003			
	859884 598			
	588 HE9QX59	·		
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	71-88	51-68, 4-21
230200, 249000, 253250, 600525, 600852, 601844		
	AR089: 15, AR096: 15, AR052: 14, AR053: 12, AR060: 12, AR055: 11, AR104: 11, AR039: 10, AR033: 9, AR061: 6 H0171: 2, H0624: 1, S0222: 1, H0271: 1, S0390: 1, S0028: 1, L0786: 1 and S0031: 1.	AR039: 9, AR096: 8, AR053: 8, AR089: 7, AR052: 6, AR033: 5, AR055: 4, AR104: 4, AR060: 4, AR061: 2 L0766: 6, L0770: 3, H0632: 2, H0013: 2, L0483: 2, L0775: 2, L0663: 2, H0521: 2, L0759: 2, L0362: 2, S0354: 1, S0358: 1, H0486: 1, H0003: 1, H0318: 1, H0544: 1, H0457: 1, H0510: 1, H0428: 1, L0371: 1, L0521: 1, L0512: 1,
	Thr-26 to Lys-32, Asn-98 to Pro-105, Arg-133 to Thr-139	Thr-33 to Thr-40, Lys-86 to Lys-103.
:	2004	2005
	953 - 537	906 -
	299	009
	859891	859895
	HNFBU66	590 HLDQW16 859895
	589	290

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	43-64, 199-218, 119-135
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54: 1, H0593: 0659: 1, 72: 1, S0378: 7758: 1, 80: 1 and	8, AR033: 6, 4, AR089: 5, 4, AR039: 4, 4, AR039: 4, 7, L0747: 6, 1, H0617: 3, L0766: 2, L0783: 2, H0694: 2, L0783: 2, H0694: 3: 1, R048: 1, 1, H0550: 1, B0408: 1, H0550: 1, H0399: 1, H0573: 1, H0399: 1, H0373: 1, H0399: 1, L0761: 1, L0630: 1, L0761: 1, L0763: 1,
L0783: 1, L0664: 1, H0593: 1, H0365: 1, H0659: 1, H0672: 1, S0378: 1, L0756: 1, L0758: 1, H0445: 1, L0480: 1 and L0599: 1.	AR055: 8, AR033: 6, AR104: 4, AR039: 5, AR104: 4, AR039: 4, AR052: 4, AR053: 4, AR061: 4, AR096: 4 H0618: 7, L0747: 6, L0439: 5, H0617: 3, L0766: 3, L0438: 2, H0717: 1, S0442: 1, S0360: 1, S0408: 1, H0208: 1, S0045: 1, H0261: 1, H0559: 1, H0676: 1, L0761: 1, L0630: 1, L0767: 1, L0375: 1, L0653: 1, L0655: 1, L0807: 1, L0767: 1, L0547: 1, H0672: 1, H0576: 1, L0748: L0787: 1, H0547: 1, H0672: 1, H0576: 1, L0748: L0786: 1, L0758: 1.
	2006 Met-1 to Trp-10, Gln-12 to Thr-37.
	2006
	726 - 1436
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	70-96	255-271,																	
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L0759: 1, S0011: 1 and H0423: 1.	AR055: 9, AR060: 6, AR033: 5, AR061: 5, AR052: 4, AR039: 3,	AR039: 38, AR033: 23,	AR052: 18, AR089: 17,	AR053: 15, AR061: 14,	AR055: 14, AR060: 13	H0581: 3, H0522: 3, L <i>0747</i> : 3, H0662: 2, H0553:	2, H0641: 2, S0053: 2,	H0689: 2, H0521: 2, L0748:	2, L0731: 2, L0759: 2,	H0543: 2, H0294: 1, H0657:	1, H0656: 1, S0418: 1,	S0358: 1, H0208: 1, H0619:	1, H0586: 1, H0587: 1, H0427: 1 H0599: 1 H0575:	1, H0052: 1, H0545: 1,	H0009: 1, H0081: 1, H0510:	1, H0266: 1, H0212: 1,	H0211: 1, H0090: 1, H0100:	1, T0042: 1, H0494: 1,	H0646: 1, L0770: 1, L0659:
		Arg-55 to Gly-61.														-			
	2007	 2008																	
	235 - 546	1221 -	120																
	209	603				-													
	859973	860023											-						
	HNHDY54	HAPPS75																	
	292	593																	

	88-105, 35-51	36-56	174-190, 7-23, 70- 86
			191170, 191170
			17p13.1
1, H0519: 1, S0037: 1, L0741: 1, L0750: 1, L0777: 1, H0445: 1, L0596: 1 and H0542: 1.	AR096: 1, AR060: 1, AR055: 1, AR089: 1, AR104: 1, AR061: 1, AR033: 1, AR039: 0, AR052: 0, AR053: 0 S0354: 1 and S0428: 1.	AR055: 6, AR060: 4, AR052: 3, AR089: 3, AR033: 3, AR061: 3, AR053: 2, AR104: 2, AR039: 2, AR096: 1 S0052: 1	AR052: 9, AR061: 8, AR053: 7, AR060: 6, AR039: 5, AR033: 5, AR096: 5, AR055: 5, AR089: 4, AR104: 4 H0038: 3, H0265: 2, H0341: 2, H0543: 2, H0556: 1, S0116: 1, S0212: 1, H0664: 1, S0376: 1, H0393: 1, H0370: 1, H0592: 1, H0013: 1, L2250: 1, H0544: 1, H0046: 1, H0012: 1, H0083: 1, S0214: 1, H0031:
	Met-1 to Arg-6, Pro-24 to Ile-30.	Ser-13 to His-18, Phe-90 to Asp-100, Ser-118 to Thr-143.	Gln-96 to Glu-102, Asn-108 to Val-113, Gly-154 to Tyr-159.
	2009	2010	2011
	222 - 566	183 - 662	89 - 676
	604	605	99
	860167	860381	860461
	HWLEL47	HNGJG75	НКАЛО40
	594	595	596

	57-86, 20- 43, 127- 145
1, \$0364: 1, H0494: 1, \$0440: 1, H0509: 1, H0633: 1, \$0144: 1, H0529: 1, \$0126: 1, \$0126: 1, \$0152: 1, \$1, \$1, \$1, \$1, \$1, \$1, \$1, \$1, \$1,	AR089: 3, AR033: 2, AR096: 2, AR039: 2, AR060: 2, AR061: 1, AR055: 0, AR104: 0 L0754: 5, L0744: 4, L0659: 3, L0439: 3, L0747: 3, L0777: 3, S6024: 2, H0661: 2, H0645: 2, L0794: 2, L0766: 2, L0803: 2, H0583: 1, S0212: 1, H0663: 1, S0354: 1, H0619: 1, S0222: 1, H0441: 1, H0586: 1, H0575: 1, H0590: 1, H0318: 1, H0030: 1, H0644: 1, H0510: 1, H0266: 1, H0551: 1, H0032: 1, H0135: 1, H0551: 1, T0041: 1, H0569: 1, S0150: 1, H0647: 1, H0646:
	Val-43 to Gly-48, Leu-118 to Leu-128.
	1473 - 2012 1012
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	72-89
1, S0348: 1, S0426: 1, L0598: 1, H0529: 1, L0762: 1, L0796: 1, L0372: 1, L0804: 1, L0774: 1, L0805: 1, L0656: 1, L0809: 1, L0666: 1, L0438: 1, H0547: 1, H0519: 1, H0683: 1, H0435: 1, H0659: 1, H0660: 1, H0696: 1, S0028: 1, L0742: 1, L0745: 1, L0746: 1, L0752: 1, L0757: 1, L0480: 1, L0591: 1, H0653: 1, S0192: 1, H0423: 1 and H0422: 1.	AR060: 2, AR053: 1, AR061: 1, AR033: 0, AR055: 0, AR096: 0, AR039: 0 H0144: 3, S0007: 2, H0550: 2, H0494: 2, L0794: 2, L0633: 2, L0666: 2, L0665: 2, S0330: 2, H0478: 2, S0040: 1, H0661: 1, H0657: 1, H0549: 1, H0431: 1, S0280: 1, H0575: 1, H0644: 1, H0038: 1, H0644: 1, H0038: 1, H0616: 1, H0509: 1, H0517: 1, L0662: 1, L0791: 1, L0663:
1, S0344; 1, L0598; 1, 1, L0796; 1, 1, L0656; 1, 1, H0519 H0435; 1, 1, L0742; 1, 1, L0752; 1, S0192; 1 H0422; 1	AR060: 2, AR061: 1, AR055: 0, AR039: 0 H0144: 3, H0550: 2, H 2, L0633: 2, L0665: 2, Si 2, S0040: 1, H0637: 1, H 1, S0280: 1, H0644: 1, H 1, H0509: 1, L0662: 1, L/ L0662: 1, L/
	2013 Glu-6 to Glu-16.
	2013
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	809
	860617
	598 HKADF82 860617
	598

	91-107	344-371, 169-200, 313-340, 275-302, 15-42, 1146-167, 119-135, 1-17, 210- 227, 237- 253
1, L0664: 1, H0703: 1, L0438: 1, H0547: 1, H0711: 1, H0518: 1, S0044: 1, H0214: 1, L0439: 1, L0751: 1, L0731: 1 and H0423: 1.	AR061: 2, AR055: 2, AR089: 1, AR096: 1, AR033: 1, AR053: 1, AR060: 1, AR039: 0, AR104: 0 S0052: 2 and H0393: 1.	AR096: 31, AR089: 24, AR033: 14, AR060: 14, AR052: 13, AR053: 13, AR039: 13, AR055: 10, AR061: 6, AR104: 5 L0731: 27, L0662: 10, S0360: 8, L0666: 8, L0659: 7, L0758: 7, S0358: 6, S0003: 6, L0803: 6, L0748: 6, L0747: 6, L0779: 6, L0752: 6, S0132: 5, L0664: 5, L0744: 5, L0754: 5, S0040: 4, H0662: 4, H0411: 4, H0251: 4, H0597: 4, L0471: 4, H0024: 4, S0022: 4, L0809: 4, L0663: 4, L0439: 4, L079: 6, L0439: 4, L079: 4, L0439: 4, L079: 4,
•	2014 Pro-16 to Cys-28, Val-79 to Gly-84.	2015 Tyr-42 to Gly-48, Ser-62 to Arg-83, Asp-137 to Pro-148, Ser-201 to Arg-207.
	2014	2015
	29 - 430	36 - 1160
	609	610
	860646	860849
	HNGEK43	HTAJS93
	599	009

	66-93, 98-	405, 351-	371, 41-	58, 217-	182, 286-	302, 318-
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H0644: 1, H0673: 1, S0364: 1, S0366: 1, H0591: 1, H0634: 1, H0641: 1, H0641: 1, H0641: 1, H0641: 1, H0041: 1, H0641: 1, H0646: 1, S0208: 1, L0763: 1, L0768: 1, L0768: 1, L0768: 1, L0768: 1, L0379: 1, L0774: 1, L0379: 1, L0788: 1, L0665: 1, S0374: 1, L0438: 1, H0684: 1, H0672: 1, S0330: 1, S0380: 1, S0380: 1, S0380: 1, S0380: 1, S0380: 1, L0777: 1, L0757: 1, H0644: 1, L0596: 1, L0777: 1, L0757: 1, H0444: 1, L0596: 1, L0757: 1, H0444: 1, L0596: 1, L0777: 1, L0757: 1, H0444: 1, L0596: 1, L0777: 1, L0757: 1, H0444: 1, L0596: 1, L0777: 1, H0422: 1 and H0008: 1.		AR089: 2, AR104: 2, AR089: 2, AR053: 1,	AR055:	5, AR052: 0 5 H0556: 6 10438: 6	_=	5, L0747: 5, L0805: 4,
		Thr-59 to Trp-70, Pro-92 to His-97.	Thr-345 to Gly-351,	Tyr-409 to Pro-426,	Note that on the Street	
·	2016					
·	131 -	1549				
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	861223					
	HE9P148					
·	601					

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64	줥	69	54	55:	8	33:	013	#	20	9	8	3	039	7	4	6.	8	56:	ğ	9	054	50:	21	17:	067	<del>4</del>	037	ä	7
710	H,	ğ	H,	Ŕ	Ę	ğ	H,	Š	Z,	8	Ħ	8	H,	8	H,	37	H,	걸	Š,	<u>5</u>	H.		H.	200	H,	읅	H,	101	ĭ
4, I	3:4	3, I	4.3	3,1	% 2	4	8	2,5	6:2	2, I	6:2	2, I	2.7	1,5	7:1	1, S	7:1	1,1	5:1	1, E	9.	1, I	9:1	1, E	9.	1,1	7:1	1, F	1: 1
<b>₩</b>	8	41:	8	.0439: 3, L.0755: 3, H0638:	2, S0418: 2, T0039: 2,	23:	2, H0068: 2, H0135: 2,	51:	2, L0626: 2, L0794: 2,	0803: 2, L0659: 2, H0144:	2, S0126: 2, H0435: 2,	0777: 2, L0731: 2, L0599:	, H0542: 2, H0395: 1,	65:	I, H0657: 1, H0419: 1,	ä	, H0587: 1, H0486: 1,	13:	l, H0575: 1, S0010: 1,	<b>₹</b>	, H0309: 1, H0545: 1	41:	, H0039: 1, H0213: 1,	4.	, H0169: 1, H0674: 1	38:	8	12:	904
L0748: 4, L0749: 4, L0779:	4, H0543: 4, H0341: 3,	H0641: 3, L0769: 3, L0776:	3, L0664: 3, H0547: 3	\$	Š	H0123: 2, S0003: 2, H0553:	H'	H0551: 2, S0144: 2, S0002:	J.	8	Š	8	H'	H0265: 1, S6024: 1, T0049:	H, H	S0420: 1, S0376: 1, H0431:	H, H	H0013: 1, H0156: 1, H0599:	H ,	S0049: 1, H0196: 1, H0052:	H, H	H0041: 1, H0050: 1, L0163:	H, H	H0644: 1, H0617: 1, H0673:	H,	H0038: 1, H0040: 1, H0063:	l, H0087: 1, H0379: 1,	H0412: 1, H0100: 1, L0351:	l, T0041: 1, L0475: 1,
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1, H0286: H0509: 1, 1, L0645: H0435: 1, 1, L0780: H0543: 1, H0543: 1,	AR096: 3 AR039: 1 AR053: 1 AR104: 1 S0011: 3 H0402: 1, 1, H0050: H0494: 1	AR060: 4, AR060: 4, AR089: 3, AR053: 3, AR096: 2 S0282: 2, L0794: 2, L 2, H0618: 1 S0049: 1, H 1, S0051: 1 L0770: 1, L 1, L0659: 1 L0666: 1, L
	2202 Met-1 to Lys-9, Ala-11 to Trp-22, Pro-82 to Glu-92.	
	2202	2203
	969 - 1280	157 - 1008
	767	798
	871264	871356
	787 HSRAV54	HTL.ID05
	2	788